

Commonwealth of Kentucky  
Natural Resources and Environmental Protection Cabinet  
Department for Environmental Protection  
Division for Air Quality  
803 Schenkel Lane  
Frankfort, Kentucky 40601  
(502) 573-3382

**TITLE V**  
**AIR QUALITY PERMIT**

Issued under 401 KAR 52:020

**Permittee Name:** United States Army Center and Fort Knox  
**Mailing Address:** Attn: OSE, Building 1110 6<sup>th</sup> Street  
Fort Knox, Kentucky 40121

**Source Name:** United States Army Center and Fort Knox  
**Mailing Address:** Same

**Source Location:** Fort Knox

**Permit Number:** V-02-030 (Revision 1)  
**Log Number:** 51189  
**Review Type:** Title V, Operating  
**Source ID #:** 21-093-00022  
**SIC Code:** 9711

**Regional Office:** Frankfort  
**County:** Hardin

**Application**  
**Complete Date:** September 09, 2002  
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John S. Lyons, Director  
Division for Air Quality

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## **SECTION A - PERMIT AUTHORIZATION**

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first having submitted a complete application and receiving a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:020, Title V Permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet or any other federal, state, or local agency local agency.

## **SECTION B -EMISSION POINTS, EMISSIONS UNITS, APPLICABLE**

## REGULATIONS, AND OPERATING CONDITIONS

Emissions Unit: **08 (MP01 -MP07) - Gasoline Storage**

### Description:

Service Station – for Unleaded Gasoline and 2-Cycle Engines (fuel mixed with oil)

Construction commenced: 1985

Tank Capacity in Gallons 73,000 total capacity for 11 storage tanks

Annual throughput of fuel is >120,000 gallons (per tank),

10,000 (102.S1),	1,000 (2770.S1)	500 (5220.S4)
1,000 (102.S2)	600 (2978.S6)	
10,000 (708.S1)	10,000 (4990.S1)	
10,000 (708.S2)	10,000 (4990.S2)	
10,000 (708.S3)	10,000 (4990.S3)	

### APPLICABLE REGULATIONS:

None

1. **Operating Limitations:**

None

2. **Emission Limitations:**

None

3. **Testing Requirements:**

None

4. **Specific Monitoring Requirements:**

None

5. **Specific Recordkeeping Requirements:**

None

6. **Specific Reporting Requirements:**

None

7. **Specific Control Equipment Operating Conditions:**

None

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**Emissions Unit: 09 (01 & 02) - Distillate Oil Storage**

**Description:**

Service Station – for Distillate #2 fuel oil

Construction commenced: 1985

Tank Capacity in Gallons 350,000 total capacity for all fuel oil storage tanks

1002.J	14,000	1003.J1	1,000	1006.J1	500	1199.J1	550	121.J1	12,000
121.J2	120	1227.J1	1,000	127.J1	10,000	1310.J1	4,000	1315.J1	4,000
1467.J1	8,000	1475.J1	10,000	1479.J1	10,000	167.J1	2,000	1730.J1	500
1731.J1	15,000	2001.J1	2,000	2010.J1	8,000	203.J1	4,000	2339.J1	1,000
2377.J1	8,000	2380.J1	15,000	4249.J1	1,000	4250.J1	1,000	4770.J1	8,000
5213.J1	15,000	5220.J1	500	5231.J1	500	5540.J1	1,000	5901.J1	
10,000									
5949.J1	4,000	6141.J1	10,000	6141.J2	10,000	6141.J3	10,000	6541.J1	
15,000									
6548.J1	15,000	6550.J1	15,000	6557.J1	15,000	6568.J1	3,000	6569.J1	
2,500									
6570.J1	2,000	6578.J1	10,000	6580.J1	15,000	6590.J1	3,000	6607.J1	
6,000									
6870.J1	200	708.S4	10,000	7205.J1	700	7221.J1	500	7238.J1	520
7238.J2	520	7342.J1	10,000	7342.J2	10,000	7741.J1	3,000	7741.J1	500
7873.J1	500	851.J1	10,000	861.J1	10,000	87.J1	6,000	8928.J1	5,000
93.J1	12,000	9310.J1	500	9320.J1	120	94.J1	500	9515.J1	550
9523.J1	550	9530.J1	550	9533.J1	550	9535.J1	550	9804.J1	1,000
9806.J1	550	9896.J1	550						

**APPLICABLE REGULATIONS:**

40 CFR 60, Subpart Kb- Standards of Performance for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984.

**Applicable Regulation and requirements apply to tanks greater than 10,567 gallons or (40 m<sup>3</sup>)**

**1. Operating Limitations:**

None

**2. Emission Limitations:**

None

**3. Testing Requirements:**

None

**4. Specific Monitoring Requirements:**

None

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**5. Specific Recordkeeping Requirements:**

Pursuant to Regulation 40 CFR 60.111b, the permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel for the life of the storage vessel.

**6. Specific Reporting Requirements:**

None

**7. Specific Control Equipment Operating Conditions:**

None

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**Emissions Unit: 10 (MP 01-MP 04)- Jet Fuel Working Storage**

**Description:**

Construction commenced: 1985

Tank Capacity in Gallons	80,000 total capacity for all JP-8 tanks
	10,000 (2987.J1)      10,000 (5251.J1)
	10,000 (2987.J4)      10,000 (9245.J1)
	10,000 (5251.J3)      10,000 (2987.J3)
	10,000 (2987.J2)      10,000 (5251.J2)

**APPLICABLE REGULATIONS:**

None

**1. Operating Limitations:**

None

**2. Emission Limitations:**

None

**3. Testing Requirements:**

None

**4. Specific Monitoring Requirements:**

None

**5. Specific Recordkeeping Requirements:**

None

**6. Specific Reporting Requirements:**

None

**7. Specific Control Equipment Operating Conditions:**

None

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**Emissions Unit: 11 - Spray Booth/Cleaning Solvent**

**Description:**

Construction commenced: 1985

**Equipment Includes:**

Paint booth: Rework/repair with special application operations of coating on military vehicles, equipped with exhaust fabric filters for particulate control

Coating/Solvent 20,571 gallons/year @ 12.5 gallons/hr

Cleanup Solvent-Min Spirit 1000 gallons/year @ 0.042 gallons/hr

Control Efficiency of Filter 98%

**APPLICABLE REGULATIONS:**

Regulation 401 KAR 59:010, New process operations, for units commenced on or after July 2, 1975.

Regulation 401 KAR 63:020, Potentially Hazardous Matter or Toxic Substances

**1. Operating Limitations:**

None

**2. Emission Limitations:**

- a. Pursuant to Regulation 401 KAR 59:010, Section 3(2), particulate matter emissions into the open air shall not exceed 2.34 pounds per hour for the paint booth based on a three-hour average.
- b. Pursuant to Regulation 401 KAR 59:010, Section 3(1)(a), any continuous emission(s) into the open air from the paint booth shall not equal or exceed twenty (20) percent opacity based on a six-minute average.
- c. To preclude 401 KAR 51:017, VOC emissions from the spray booth shall not equal or exceed 36 tons per year.

**Compliance Demonstration Method:**

Compliance with the mass emission limit and opacity limit is assumed when the filter system controls the emissions of particulate matter and is operated properly in accordance with manufacturer's specifications and/or standard operating procedures as approved by the Division.

**3. Testing Requirements:**

None

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**4. Specific Monitoring Requirements:**

- a. The permittee shall perform a qualitative visual observation of the opacity of emissions from each stack on a weekly basis and maintain a log of the observations. If visible emissions from any stack are seen, the permittee shall determine the opacity of emissions by Reference Method 9 and instigate an inspection of the control equipment making any necessary repairs.
- b. The permittee shall monitor the processing rates for the paint booth and specific gallons of paint usage.
- c. See Subsection 5, Record keeping Requirements.

**5. Specific Record Keeping Requirements:**

- a. The permittee shall maintain records including monthly solvent, coating, and thinner processed in gallons. Volatile organic compound percent or the weight fraction, and percent or weight fraction of solids contents, densities of coatings and solvents and thinners shall be recorded. Additionally, the permittee shall record estimated transfer efficiency and control efficiency for particulate filters per manufacturer's specifications, and daily hours of operation, to assure compliance with Regulation 401 KAR 59:010 (and for emissions inventory regarding volatile organic compounds).
- b. Pursuant to Regulation 401 KAR 52:020, daily consumption records of coatings used and log of weekly stack observations must be maintained.
- c. Records documenting the results of each opacity reading by EPA Method 9 shall be maintained.

**6. Specific Reporting Requirements:**

See Section F.

**7. Specific Control Equipment Operating Conditions:**

- a. The exhaust fabric filters for the paint booth shall be operated to maintain compliance with permitted emission limitations, in accordance with manufacturer's specifications and/or standard operating practices.
- b. Records regarding the maintenance (regularly changing and maintaining fabric filters) and operation of all control equipment in Subsection 7(a) shall be maintained.
- c. See Section E for further requirements.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**Emission Unit 12                      Natural Gas/Oil Fired Indirect Heat Exchangers  
Ranging between >1 & < 10 mmBtu/hr x 132 units**

**Description:**

Primary fuel:	Natural Gas
Secondary fuel:	#2 fuel oil
Maximum Continuous Rating:	4 mmBtu/hr, Average
Construction Commenced:	approximately 1976

**APPLICABLE REGULATIONS:**

Regulation 401 KAR 59:015, New Indirect Heat Exchangers applicable to an emission unit with a capacity less than 250 mmBtu per hour and commenced on or after April 9, 1972.

**1. Operating Limitations:**

None

**2. Emission Limitations:**

- a. Pursuant to Regulation 401 KAR 59:015, Section 4(1)(b), particulate emissions shall not exceed 0.1lb/mmBtu based on a three-hour-average. Compliance with the allowable particulate emission limitation while burning #2 fuel oil may be demonstrated by calculating emissions using the following formula:

$$\text{PM emissions (lb/mmBtu)} = 2.0 \text{ lbs/ } 10^3 \text{ gallons (AP-42 emission factor) / \#2 fuel oil heating value (mmBtu/ } 10^3 \text{ gallons).}$$

- b. Pursuant to Regulation 401 KAR 59:015, Section 4(2), visible emissions shall not exceed 20% opacity based on a six minute average, except for one six minute period per hour of not more than 27% opacity.
- c. Pursuant to Regulation 401 KAR 59:015, Section 5(1)(b), sulfur dioxide emissions shall not exceed 0.8 lb/mmBtu based on a three-hour-average. Compliance with the allowable sulfur dioxide emission limitation while burning #2 fuel may be demonstrated based on fuel supplier certification.
- d. Each unit is considered to be in compliance with the PM, SO<sub>2</sub>, and opacity standards while burning natural gas.

**3. Testing Requirements:**

The permittee shall determine the opacity of emissions from the stack using U.S. EPA Reference Method 9 annually, or upon request by the Division.

**4. Specific Monitoring Requirements:**

None

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**5. Specific Recordkeeping Requirements:**

Records of the amount of natural gas and #2 fuel oil burned shall be maintained.

**6. Specific Reporting Requirements:**

NA

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)****Emission Units 13-15      Three Natural Gas/Oil Fired Indirect Heat Exchangers****Description:**

Primary fuel:	Natural Gas
Backup fuel:	#2 fuel oil
Maximum Continuous Rating:	(3) 10.4 mmBtu/hr, each
Construction Commenced:	1991

**APPLICABLE REGULATIONS:**

Regulation 401 KAR 59:015, New Indirect Heat Exchangers applicable to an emission unit with a capacity less than 250 mmBtu per hour and commenced on or after April 9, 1972

Regulation 401 KAR 60:005, incorporating by reference Regulation 40 CFR 60, Subpart Dc, Standards of performance for small industrial-commercial-institutional steam generating units, for units less than or equal to 100 mmBtu/hour but greater than or equal to 10 mmBtu/hour commenced after June 9, 1989.

**1. Operating Limitations:**

None

**2. Emission Limitations:**

- a. Pursuant to Regulation 401 KAR 59:015, Section 4(1)(b), particulate emissions shall not exceed 0.29 lb/mmBtu based on a three-hour-average. Compliance with the allowable particulate emission limitation while burning #2 fuel oil may be demonstrated by calculating emissions using the following formula:

PM emissions (lb/mmBtu) = 2.0 lbs/ 10<sup>3</sup> gallons (AP-42 emission factor) / #2 fuel oil heating value (mmBtu/ 10<sup>3</sup> gallons).

- b. Pursuant to Regulation 401 KAR 59:015, Section 4(2), and Regulation 401 KAR 60:005, incorporating by reference 40 CFR 60, Subpart Dc, visible emissions shall not exceed 20% opacity based on a six minute average, except for one six minute period per hour of not more than 27% opacity.
- c. Pursuant to Regulation 401 KAR 60:005, incorporating by reference 40 CFR 60, Subpart Dc, sulfur dioxide emissions shall not exceed 0.8 lb/mmBtu. Compliance with the allowable sulfur dioxide emission limitation while burning #2 fuel oil may be demonstrated based on fuel supplier certification.
- d. This unit is considered to be in compliance with the PM, SO<sub>2</sub>, and opacity standards while burning natural gas.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**3. Testing Requirements:**

The permittee shall determine the opacity of emissions from the stack using U.S. EPA Reference Method 9 annually, or more frequently if requested by the Division.

**4. Specific Monitoring Requirements:**

The Permittee shall monitor the fuel usage on a monthly basis

**5. Specific Recordkeeping Requirements:**

Records of the amount of natural gas and #2 fuel oil burned shall be maintained on a monthly basis.

**6. Specific Reporting Requirements:**

a. If #2 fuel oil is burned in the unit, the permittee shall submit quarterly reports including the fuel supplier certification and a certified statement signed by the owner or operator of the affected facility that the records of the fuel supplier certifications submitted represent the #2 fuel oil combusted during that quarter.

b. See Section F

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**Emission Unit 16      Ten Motor Vehicle Air Conditioning Refrigerant Recovery/Recycling Units [MVACs (R-12)]**

**Description:**

Existing Ten Portable MVACs:    300 lb/yr-input, 100 lb/yr-recycled  
Construction Commenced:        NA

- Machine Point 01 – Robinair model 17500B (mobile)
- Machine Point 02 – Robinair model 17500B (stationary)
- Machine Point 03 – Robinair model 17500B (stationary)
- Machine Point 04 – Thermal model 17500B (stationary)
- Machine Point 05 – Sercon model 9000 (stationary)
- Machine Point 06 – Sercon model 5000A (stationary)
- Machine Point 07 – Robinair model 17000 (stationary)
- Machine Point 08 – Four-Season model 59900 (mobile)
- Machine Point 09 – Robinair model 17500B (mobile)
- Machine Point 10 – Robinair model 34700 (mobile)

**APPLICABLE REGULATIONS:**

40 CFR 82. Subpart F, Recycling and Emission Reduction  
State Regulation 401 KAR 63:020, Potentially hazardous matter or toxic substances.

**1.      Compliance with Emissions /Operating Requirements**

Compliance with emissions and operating of the MVACs shall be demonstrated in accordance with Regulation 40 CFR 82.154, and 40 CFR 82.156  
Demonstration of compliance with 40 CFR 82 shall be accepted as demonstrating compliance with Regulation 401 KAR 63:020

**2.      Emission Limitations:**

None

**3.      Testing Requirements:**

None

**4.      Specific Monitoring Requirements:**

None

**5.      Specific Record Keeping Requirements:**

Records shall be kept in accordance with Regulation 40 CFR 82.166

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**6. Specific Reporting Requirements:**

The permittee shall report recovery and disposal of refrigerant from the MVACs according to the requirement of Regulation 40 CFR 82.162, Sections C.

## **SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

### **Emission Unit 17-18 Natural Gas/Oil Fired Indirect Heat Exchangers**

#### **Description:**

Primary fuel:	Natural Gas
Backup fuel:	#2 fuel oil
Maximum Continuous Rating:	(2) 25 mmBtu/hr
Construction Commenced:	1994

#### **APPLICABLE REGULATIONS:**

Regulation 401 KAR 59:015, New Indirect Heat Exchangers applicable to an emission unit with a capacity less than 250 mmBtu per hour and commenced on or after April 9, 1972.

Regulation 401 KAR 60:005, incorporating by reference Regulation 40 CFR 60, Subpart Dc, Standards of performance for small industrial-commercial-institutional steam generating units, for units less than or equal to 100 mmBtu/hour but greater than or equal to 10 mmBtu/hour commenced after June 9, 1989.

#### **1. Operating Limitations:**

None

#### **2. Emission Limitations:**

- a. Pursuant to Regulation 401 KAR 59:015, Section 4(1)(b), particulate emissions shall not exceed 0.1 lb/mmBtu based on a three-hour-average. Compliance with the allowable particulate emission limitation while burning #2 fuel oil may be demonstrated by calculating emissions using the following formula:

$$\text{PM emissions (lb/mmBtu)} = 2.0 \text{ lbs/ } 10^3 \text{ gallons (AP-42 emission factor) / \#2 fuel oil heating value (mmBtu/ } 10^3 \text{ gallons).}$$

- b. Pursuant to Regulation 401 KAR 59:015, Section 4(2), and Regulation 401 KAR 60:005, incorporating by reference 40 CFR 60, Subpart Dc, visible emissions shall not exceed 20% opacity based on a six minute average, except for one six minute period per hour of not more than 27% opacity.
- c. Pursuant to Regulation 401 KAR 60:005, incorporating by reference 40 CFR 60, Subpart Dc, sulfur dioxide emissions shall not exceed 0.8 lb/mmBtu. Compliance with the allowable sulfur dioxide emission limitation while burning #2 fuel oil may be demonstrated based on fuel supplier certification.
- d. This unit is considered to be in compliance with the PM, SO<sub>2</sub>, and opacity standards while burning natural gas.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**3. Testing Requirements:**

The permittee shall determine the opacity of emissions from the stack using U.S. EPA Reference Method 9 annually, or more frequently if requested by the Division.

**4. Specific Monitoring Requirements:**

The Permittee shall monitor the fuel gas usage.

**5. Specific Recordkeeping Requirements:**

Records of the amount of natural gas and #2 fuel oil burned shall be maintained on a monthly basis.

**6. Specific Reporting Requirements:**

- a. If #2 fuel oil is burned in the unit, the permittee shall submit quarterly reports including the fuel supplier certification and a certified statement signed by the owner or operator of the affected facility that the records of the fuel supplier certifications submitted represent the #2 fuel oil combusted during that quarter.
- b. See Section F

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**Emission Unit 19     Nine Diesel Fired Generators**

**Description:**

Maximum Continuous Rating:	(3) 16 mmBtu/hr, each (2712 Hp)
Construction Commenced:	(2) 2001 & (1) 2002
Maximum Continuous Rating:	Six generators averaging 1713 Hp
Construction Commenced:	Unknown

**APPLICABLE REGULATIONS:**

None

**1.     Operating Limitations:**

None

**2.     Emission Limitations:**

None

**3.     Testing Requirements:**

None

**4.     Specific Monitoring Requirements:**

- a. The Permittee shall monitor the amount of #2 fuel oil consumed by the Generator on a monthly basis.
- b. The Permittee shall monitor the hours of operation of each Generator on a monthly basis

**5.     Specific Record Keeping Requirements:**

- a. The permittee shall compile and maintain records the amount of #2 fuel oil consumed by the generator on a monthly basis
- b. The Permittee shall maintain records of the hours of operation of the Generator on a monthly basis.
- c. The Permittee shall maintain records of the total hours of operation for the Generator on a consecutive twelve-(12) month total.
- d. The permittee shall maintain records of total amount of #2 fuel oil consumed by the Generator on a consecutive twelve-(12) month total.

**6.     Specific Reporting Requirements:**

See Section F

**SECTION C - INSIGNIFICANT ACTIVITIES**

The following listed activities have been determined to be insignificant activities for this source pursuant to Regulation 401 KAR 50:020, Section 5(4). While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary.

	<b>Emission Unit #</b>	<b>Description</b>	<b>Generally Applicable Regulation</b>
1	100.K1	Surface Coating Operation for touch-up refinishing of metal parts using aerosol cans (uses less than 5 gals/day)	None
2	100.M1	Cold Cleaner (10 gallon spray sink)	None
3	1001.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
4	1002.A1	Diesel Fuel Internal Combustion Engine (Emergency Electrical Generator - 107.28 HP)	None
5	1002.J1	Fuel Oil #2 Underground Storage Tank (4,000 gal.)	None
6	1003.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
7	1003.A2	Diesel Fuel Internal Combustion Engine (Emergency Electrical Generator - 536.4 HP)	None
8	1003.A2	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
9	1003.J1	Emergency Generator Diesel Aboveground Storage Tank (1,000 gal.)	None
10	1006.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
11	1006.A2	Diesel Fuel Internal Combustion Engine (Emergency Electrical Generator - 134.1 HP)	None
12	1006.J1	Emergency Generator Diesel Aboveground Storage Tank (500 gal.)	None
13	102.J2	Diesel Fuel Dispensing - Loading Rack (225 GPM)	None
14	102.J2	Vehicle Diesel Fuel Aboveground Storage Tank (10,000 gal.)	None
15	102.S3	Diesel Fuel Dispensing - Fuel Pump (60 GPM)	None
16	1022.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
17	1054.M1	Cold Cleaner (5 gallon spray sink)	None
18	1054.M2	Cold Cleaner (5 gallon spray sink)	None
19	1054.M3	Cold Cleaner (5 gallon spray sink)	None
20	1054.M6	Cold Cleaner (20 gallon spray sink)	None
21	1054.M7	Cold Cleaner (20 gallon spray sink)	None
22	1054.M8	Cold Cleaner (20 gallon spray sink)	None
23	1055.M1	Cold Cleaner (5 gallon spray sink)	None

**SECTION C – INSIGNIFICANT ACTIVITIES (CONTINUED)**

24	11.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
25	1101.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
26	1101.A2	Natural Gas Internal Combustion Engine (Emergency Electrical Generator - 33.5 HP)	None
27	1102.B1	Wet Cooling Tower (240 GPM)	401 KAR 63:010
28	1118.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
29	1118.A2	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
30	112.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
31	119.A1	Natural Gas Internal Combustion Engine (Emergency Electrical Generator - 159.6 HP)	None
32	1198.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
33	1199.J1	Emergency Generator Diesel Aboveground Storage Tank (550 gal.)	None
34	1205.B1	Central Drinking Water Plant Laboratory Fume Hood (Unknown material usage capacity). This fume hood is used to conduct chemical analysis of water samples.	None
35	1205.B1	Water Treatment Plant Lime Storage Silo (25 Tons of Storage Capacity - Equipped with a Fabric Filter Baghouse) (PTE = 0.72 TPY)	401 KAR 59:010
36	1205.B2	Drinking Water Treatment Plant Operations - Chlorine, Fluorine and Carbon Dioxide Addition; Clarification (small emissions of chlorine)	None
37	121.A1	Diesel Fuel Internal Combustion Engine (Emergency Electrical Generator - 67.1 HP)	None
38	121.J1	(AAFES) Fuel Oil #2 Underground Storage Tank (12,000 gal.)	None
39	121.J2	(AAFES) Fuel Oil #2 Aboveground Storage Tank (120 gal.)	None
40	122.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
41	1227.A2	Diesel Fuel Internal Combustion Engine (Emergency Electrical Generator - 730.8 HP)	None
42	1227.J1	Emergency Generator Diesel Aboveground Storage Tank (1,000 gal.)	None
43	127.J1	(AAFES) Fuel Oil #2 Underground Storage Tank (10,000 gal.)	None
44	1307.B1	Wet Cooling Tower (425 GPM)	401 KAR 63:010

**SECTION C – INSIGNIFICANT ACTIVITIES (CONTINUED)**

45	1307.B2	Wet Cooling Tower (425 GPM)	401 KAR 63:010
46	1310.J1	Fuel Oil #2 Underground Storage Tank (4,000 gal.)	None
47	1315.A1	Indirect Heat Exchanger (<1 mmBtu/hr - fuel oil #2)	None
48	1315.J1	Fuel Oil #2 Underground Storage Tank (4,000 gal.)	None
49	1359.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
50	1359.B1	Wet Cooling Tower (249 GPM)	401 KAR 63:010
51	1383.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
52	1467.J1	Fuel Oil #2 Underground Storage Tank (8,000 gal.)	None
53	1475.J1	Fuel Oil #2 Underground Storage Tank (10,000 gal.)	None
54	1479.J1	Fuel Oil #2 Underground Storage Tank (10,000 gal.)	None
55	1481.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
56	1609.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
57	1609.A2	Natural Gas Internal Combustion Engine (Emergency Electrical Generator - 26.8 HP)	None
58	167.J1	Fuel Oil #2 Underground Storage Tank (2,000 gal.)	None
59	171.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
60	171.K1	Surface Coating Operation for painting, staining and finishing metal and wood products (except wood furniture) made in the Building 73 metal and woodworking shop. This operation uses manual brushes, aerosol cans, and sometimes a spray gun. Less than 5 gallons/day of coatings and solvents are used. Emissions include VOC and small amounts of HAP. The operation has a spray booth.	401 KAR 59:010
61	171.K2	Surface Coating Operation for finishing wood furniture made in the Building 73 woodworking shop. This operation uses manual brushes, aerosol cans, and sometimes a spray gun. Less than 5 gallons/day of coatings and solvents. Emissions include VOC and small amounts of HAP. The operation does not have a spray booth.	40 CFR 63.800(a)

**SECTION C – INSIGNIFICANT ACTIVITIES (CONTINUED)**

62	1720.M2	Cold Cleaner (20 gallon spray sink)	None
63	1722.A1	Diesel Fuel Internal Combustion Engine for Emergency Fire Fighting Pump (unknown HP)	None
64	1724.B1	Wet Cooling Tower (350 GPM)	401 KAR 63:010
65	1730.A1	Internal Combustion Engine Maintenance Training (Testing Station for Several Types of Engines)	None
66	1730.A2	Internal Combustion Engine Maintenance Training (Testing Station for Several Types of Engines)	None
67	1730.A3	Internal Combustion Engine Maintenance Training (Testing Station for Several Types of Engines)	None
68	1730.A4	Internal Combustion Engine Maintenance Training (Testing Station for Several Types of Engines)	None
69	1730.A5	Internal Combustion Engine Maintenance Training (Testing Station for Several Types of Engines)	None
70	1730.A6	Internal Combustion Engine Maintenance Training (Testing Station for Several Types of Engines)	None
71	1730.A7	Internal Combustion Engine Maintenance Training (Testing Station for Several Types of Engines)	None
72	1730.A8	Internal Combustion Engine Maintenance Training (Testing Station for Several Types of Engines)	None
73	1730.J1	Vehicle Diesel Fuel Aboveground Storage Tank - Engine Stands (500 gal.)	None
74	1730.K1	Surface Coating Operation for touch-up refinishing of metal parts using aerosol cans. The operation uses less than 5 gallons/day of coatings and solvents. Emissions include VOC and small amounts of HAP. This operation does not have a spray booth.	None
75	1731.J1	Fuel Oil #2 Underground Storage Tank (15,000 gal.)	None
76	1996.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
77	2001.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None

**SECTION C – INSIGNIFICANT ACTIVITIES (CONTINUED)**

78	2001.J1	Fuel Oil #2 Underground Storage Tank (2,000 gal.)	None
79	2010.J1	Fuel Oil #2 Underground Storage Tank (8,000 gal.)	None
80	2013.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
81	2020.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
82	2021.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
83	203.J1	Fuel Oil #2 Underground Storage Tank (4,000 gal.)	None
84	204.A2	Natural Gas Internal Combustion Engine (Emergency Electrical Generator - 67.05 HP)	None
85	206.B1	Woodworking Operation Equipped with Single Fabric Filter Dust Collector (estimated capacity of 10,000 SCFM and emission rate of 0.01 gr/SCF(PTE = 3.75 TPY)) The emission rate of 0.01 gr/SCF was selected as a typical value for a fabric filter baghouse. The PTE was calculated considering the collection efficiency of the fabric filter because it was not required to be installed to comply with an emission limit. It was installed as a housekeeping device as part of the process to remove wood dust from the work area. The fabric filter exhaust is directed back into the building (closed loop system).	401 KAR 59:010
86	206.B2	Paint Booth Heated Make-up Air Unit (Estimated capacity of less than 2 mmBtu/hr.). This unit burns natural gas to supply heated air for forced-air drying of painted parts.	None
87	206.B3	Manual (<2 lbs/hr. of welding rod/spool) Fabrication Welding Operation	401 KAR 59:010
88	206.K1	Screen Printing Operation for labeling of wood and metal exhibits. The operation uses less than 5 gallons/day of coatings and solvents. Emissions include VOC and small amounts of HAP.	None
89	206.K2	Surface Coating Operation for painting, staining and finishing wood and metal exhibits. The operation uses less than 5 gallons/day of coatings and solvents. Emissions include VOC and small amounts of HAP. This operation is conducted inside a spray booth.	401 KAR 59:010

**SECTION C – INSIGNIFICANT ACTIVITIES (CONTINUED)**

90	2339.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
91	2339.J1	Fuel Oil #2 Underground Storage Tank (1,000 gal.)	None
92	2349.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
93	2369.B1	Wet Cooling Tower (312 GPM)	401 KAR 63:010
94	2377.J1	Fuel Oil #2 Underground Storage Tank (8,000 gal.)	None
95	2380.J1	Fuel Oil #2 Underground Storage Tank (15,000 gal.)	None
96	2441.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
97	2444.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
98	2445.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
99	2446.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
100	2447.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
101	2448.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
102	2449.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
103	2680.J1	Fuel Oil #2 Underground Storage Tank (2,000 gal.)	None
104	2723.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
105	2724.J1	Fuel Oil #2 Underground Storage Tank (8,000 gal.)	None
106	2730.J1	Diesel Fuel Dispensing - Loading Rack (225 GPM)	None
107	2730.J1	Vehicle Diesel Fuel Aboveground Storage Tank (10,000 gal.)	None
108	2730.M4	Cold Cleaner (5 gallon spray sink)	None
109	2730.S1	Diesel Fuel Dispensing - Fuel Pump (60 GPM)	None
110	2736.J1	Used Diesel Fuel Aboveground Storage Tank (440 gal.)	None
111	2751.J1	Used Diesel Fuel Aboveground Storage Tank (660 gal.)	None
112	2753.J1	Used Oil Aboveground Storage Tank (440 gal.)	None
113	2755.M1	Cold Cleaner (5 gallon spray sink)	None

**SECTION C – INSIGNIFICANT ACTIVITIES (CONTINUED)**

114	2755.M2	Cold Cleaner (20 gallon spray sink)	None
115	2756.M1	Cold Cleaner (5 gallon spray sink)	None
116	2756.M2	Cold Cleaner (20 gallon spray sink)	None
117	2763.J1	Used Oil Aboveground Storage Tank (600 gal.)	None
118	2763.J2	Used Oil Aboveground Storage Tank (600 gal.)	None
119	2770.A2	Engine Maintenance (Enclosed Troubleshooting Stand for Several Types of Engines)	None
120	2770.A3	Engine Maintenance (Enclosed Troubleshooting Stand for Several Types of Engines)	None
121	2770.J1	Fuel Oil #2 Aboveground Storage Tank (120 gal.)	None
122	2770.J2	Diesel Fuel Dispensing - Loading Rack (225 GPM)	None
123	2770.J2	Vehicle Diesel Fuel Aboveground Storage Tank (10,000 gal.)	None
124	2770.K1	Surface Coating Operation for touch-up refinishing of metal parts using aerosol cans. The operation uses less than 5 gallons/day of coatings and solvents. Emissions include VOC and small amounts of HAP. This operation does not have a spray booth.	None
125	2770.K2	Surface Coating Operation for priming of military and construction vehicles using manual brushes. The operation uses less than 5 gallons/day of coatings and solvents. Emissions include VOC and small amounts of HAP. This operation does not have a spray booth. The vehicles that are primed in this operation go to Emission Unit #2778.K1 (paint booth) for refinishing with Chemical Agent Resistant Coating (CARC) or enamel paints.	None
126	2770.M10	Cold Cleaner (20 gallon spray sink)	None
127	2770.M11	Cold Cleaner (5 gallon spray sink)	None
128	2770.M12	Cold Cleaner (5 gallon spray sink)	None
129	2770.M13	Cold Cleaner (5 gallon spray sink)	None
130	2770.M14	Cold Cleaner (5 gallon spray sink)	None
131	2770.M15	Cold Cleaner (10 gallon spray sink)	None
132	2770.M16	Cold Cleaner (10 gallon spray sink)	None
133	2770.M17	Cold Cleaner (10 gallon spray sink)	None
134	2770.M18	Cold Cleaner (10 gallon spray sink)	None
135	2770.M19	Cold Cleaner (10 gallon spray sink)	None
136	2770.S2	Diesel Fuel Dispensing - Fuel Pump (60 GPM)	None
137	2778.A2	Engine Maintenance (Enclosed trouble Shooting Stand for Several Types of Engines)	None

**SECTION C – INSIGNIFICANT ACTIVITIES (CONTINUED)**

138	2778.B1	Paint Booth Heated Make-up Air Unit (Estimated capacity of less than 2 mmBtu/hr.). This unit burns natural gas to supply heated air for forced-air drying of painted parts.	None
139	2778.M24	Cold Cleaner (5 gallon spray sink)	None
140	2778.M25	Cold Cleaner (5 gallon spray sink)	None
141	2778.M26	Cold Cleaner (20 gallon spray sink)	None
142	2780.J1	Fuel Oil #2 Underground Storage Tank (16,000 gal.)	None
143	2783.B1	Fume Hood for Radioactive Instrument Storage (Instruments are sealed sources) - no radionuclide emissions	None
144	2783.M3	Cold Cleaner (20 gallon spray sink)	None
145	2786.K1	Surface Coating Operation for touch-up refinishing of metal parts using aerosol cans. The operation uses less than 5 gallons/day of coatings and solvents. Emissions include VOC and small amounts of HAP. This operation does not have a spray booth.	None
146	2807.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
147	2807.A2	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
148	2807.M3	Cold Cleaner (5 gallon spray sink)	None
149	2807.M4	Cold Cleaner (5 gallon spray sink)	None
150	2807.M5	Cold Cleaner (20 gallon spray sink)	None
151	2807.M6	Cold Cleaner (20 gallon spray sink)	None
152	2942.A1	Diesel Fuel Internal Combustion Engine for Emergency Fire Fighting Pump (unknown HP)	None
153	2942.K1	Surface Coating Operation for touch-up refinishing of metal parts using aerosol cans. The operation uses less than 5 gallons/day of coatings and solvents. Emissions include VOC and small amounts of HAP. This operation does not have a spray booth.	None
154	2942A.M3	Cold Cleaner (5 gallon spray sink)	None
155	2942B.M1	Cold Cleaner (5 gallon spray sink)	None
156	2942B.M2	Cold Cleaner (20 gallon spray sink)	None
157	2943.K1	Surface Coating Operation for touch-up refinishing of metal parts using aerosol cans. The operation uses less than 5 gallons/day of coatings and solvents. Emissions include VOC and small amounts of HAP. This operation does not have a spray booth.	None

**SECTION C – INSIGNIFICANT ACTIVITIES (CONTINUED)**

158	2943.M3	Cold Cleaner (5 gallon spray sink)	None
159	2944.M2	Cold Cleaner (5 gallon spray sink)	None
160	2944.M3	Cold Cleaner (5 gallon spray sink)	None
161	2944.M4	Cold Cleaner (20 gallon spray sink)	None
162	2944.M5	Cold Cleaner (20 gallon spray sink)	None
163	2955.M2	Cold Cleaner (20 gallon spray sink)	None
164	2955.M3	Cold Cleaner (20 gallon spray sink)	None
165	2958.K1	Surface Coating Operation for touch-up refinishing of metal parts using aerosol cans. The operation uses less than 5 gallons/day of coatings and solvents. Emissions include VOC and small amounts of HAP. This operation does not have a spray booth.	None
166	2958.M4	Cold Cleaner (5 gallon spray sink)	None
167	2958.M5	Cold Cleaner (20 gallon spray sink)	None
168	2959.M1	Cold Cleaner (20 gallon spray sink)	None
169	2959.M2	Cold Cleaner (20 gallon spray sink)	402 KAR 59:185
170	2959.M3	Cold Cleaner (20 gallon spray sink)	403 KAR 59:185
171	2962.J1	Fuel Oil #2 Aboveground Storage Tank (550 gal.)	None
172	2963.M1	Cold Cleaner (5 gallon spray sink)	None
173	2969.J1	Fuel Oil #2 Underground Storage Tank (1,500 gal.)	None
174	2969.M1	Cold Cleaner (20 gallon spray sink)	None
175	2969.M2	Cold Cleaner (20 gallon spray sink)	None
176	2969.M3	Cold Cleaner (20 gallon spray sink)	None
177	2969.M4	Cold Cleaner (20 gallon spray sink)	None
178	297.J1	Fuel Oil #2 Underground Storage Tank (10,000 gal.)	None
179	2970.M2	Cold Cleaner (20 gallon spray sink)	None
180	2970.M3	Cold Cleaner (20 gallon spray sink)	None
181	2971.M1	Cold Cleaner (20 gallon spray sink)	None
182	2973.M2	Cold Cleaner (20 gallon spray sink)	None
183	2974.M1	Cold Cleaner (5 gallon spray sink)	None
184	2974.M2	Cold Cleaner (20 gallon spray sink)	None
185	2979.M2	Cold Cleaner (5 gallon spray sink)	None
186	2979.M3	Cold Cleaner (5 gallon spray sink)	None
187	2980.M1	Cold Cleaner (5 gallon spray sink)	None
188	2980.M2	Cold Cleaner (5 gallon spray sink)	None
189	2980.M3	Cold Cleaner (20 gallon spray sink)	None
190	2980.M4	Cold Cleaner (20 gallon spray sink)	None
191	2980.M5	Cold Cleaner (20 gallon spray sink)	None
192	2987.J1	Diesel Fuel Dispensing - Loading Rack (225 GPM)	None

**SECTION C – INSIGNIFICANT ACTIVITIES (CONTINUED)**

193	2987.J1	Vehicle Diesel Fuel Aboveground Storage Tank (10,000 gal.)	None
194	2987.J2	Diesel Fuel Dispensing - Loading Rack (225 GPM)	None
195	2987.J2	Vehicle Diesel Fuel Aboveground Storage Tank (10,000 gal.)	None
196	2987.J3	Diesel Fuel Dispensing - Loading Rack (225 GPM)	None
197	2987.J3	Vehicle Diesel Fuel Aboveground Storage Tank (10,000 gal.)	None
198	2987.J4	Diesel Fuel Dispensing - Loading Rack (225 GPM)	None
199	2987.J4	Vehicle Diesel Fuel Aboveground Storage Tank (10,000 gal.)	None
200	2987.S1	Diesel Fuel Dispensing - Fuel Pump (60 GPM)	None
201	2987.S2	Diesel Fuel Dispensing - Fuel Pump (60 GPM)	None
202	2987.S3	Diesel Fuel Dispensing - Fuel Pump (60 GPM)	None
203	2987.S4	Diesel Fuel Dispensing - Fuel Pump (60 GPM)	None
204	2987.S5	Kerosene Aboveground Storage Tank (600 gal.)	None
205	3008.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
206	3008.J1	Fuel Oil #2 Aboveground Storage Tank (550 gal.)	None
207	3009.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
208	3009.A2	Diesel Fuel Internal Combustion Engine (Emergency Electrical Generator - 670.5 HP)	None
209	3009.B1	Water Treatment Plant Lime Storage Silo (25 Tons of Storage Capacity - Equipped with a Fabric Filter Baghouse) (PTE = 1.44 TPY)	401 KAR 61:020
210	3009.B2	Drinking Water Treatment Plant Operations - Chlorine, Fluorine and Carbon Dioxide Addition; Clarification (small emissions of chlorine)	None
211	3009.J1	Fuel Oil #2 Aboveground Storage Tank (1,000 gal.)	None
212	400.J1	Fuel Oil #2 Underground Storage Tank (2,000 gal.)	None
213	4002.A1	Diesel Fuel Internal Combustion Engine (Emergency Electrical Generator - 26.8 HP)	None
214	4015.A1	Diesel Fuel Internal Combustion Engine (Emergency Electrical Generator - 201.2 HP)	None

**SECTION C – INSIGNIFICANT ACTIVITIES (CONTINUED)**

215	4015.J1	Emergency Generator Diesel Aboveground Storage Tank (1,000 gal.)	None
216	42.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
217	4208.A1	Diesel Fuel internal Combustion Engine (Emergency Electrical Generator-268.2 HP)	
218	4208.J1	Emergency Generator Diesel Aboveground Storage Tank (1,000 gal.)	None
219	4244.M1	Cold Cleaner (10 gallon spray sink)	None
220	4248.M1	Cold Cleaner (10 gallon spray sink)	None
221	4249.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
222	4249.J1	Fuel Oil #2 Underground Storage Tank (1,000 gal.)	None
223	4250.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
224	4250.J1	Fuel Oil #2 Underground Storage Tank (1,000 gal.)	None
225	469.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
226	469.A2	Natural Gas Internal Combustion Engine (Emergency Electrical Generator - 9.4 HP)	None
227	4767.A1	Diesel Fuel Internal Combustion Engine (Emergency Electrical Generator - 26.8 HP)	None
228	4769.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
229	4770.J1	(NAF) Fuel Oil #2 Underground Storage Tank (8,000 gal.)	None
230	484.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
231	486.A1	Natural Gas Internal Combustion Engine (Emergency Electrical Generator - 10.7 HP)	None
232	488.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
233	488.A2	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
234	51.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
235	52.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
236	5211.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
237	5213.A1	Natural Gas Internal Combustion Engine (Emergency Electrical Generator - 26.8 HP)	None

**SECTION C – INSIGNIFICANT ACTIVITIES (CONTINUED)**

238	5213.J1	Fuel Oil #2 Underground Storage Tank (15,000 gal.)	None
239	5220.A2	Diesel Fuel Internal Combustion Engine (Emergency Electrical Generator - 134.1 HP)	None
240	5220.J1	Emergency Generator Diesel Aboveground Storage Tank (500 gal.)	None
241	5220.K1	Surface Coating Operation for touch-up refinishing of metal parts using aerosol and manual brushes. The operation uses less than 5 gallons/day of coatings and solvents. Emissions include VOC and small amount of HAP. This operation does not have a spray booth.	
242	5220.M2	Cold Cleaner (5 gallon spray sink)	None
243	5220.M3	Cold Cleaner (20 gallon spray sink)	None
244	5222.A2	JP-8 (Kerosene) Internal Combustion Engine (Aircraft Auxiliary Power Unit - 40 HP)	None
245	5222.K1	Surface Coating Operation for touch-up refinishing of metal parts using aerosol cans and manual brushes. The operation uses less than 5 gallons/day of coatings and solvents. Emissions include VOC and small amounts of HAP. This operation does not have a spray booth.	None
246	5222.M2	Cold Cleaner (5 gallon spray sink)	None
247	5231.A1	Diesel Fuel Internal Combustion Engine (Emergency Electrical Generator - 100.6 HP)	None
248	5231.J1	Emergency Generator Diesel Aboveground Storage Tank (500 gal.)	None
249	5232.M1	Cold Cleaner (20 gallon spray sink)	None
250	5251.S1	JP-8 (Kerosene) Fuel Aboveground Storage Tank (10,000 gal.)	None
251	5251.S1	JP-8 (Kerosene) Fuel Dispensing - Fuel Pump (60 GPM)	None
252	5251.S2	JP-8 (Kerosene) Fuel Aboveground Storage Tank (10,000 gal.)	None
253	5251.S2	JP-8 (Kerosene) Fuel Dispensing - Fuel Pump (60 GPM)	None
254	5251.S3	JP-8 (Kerosene) Fuel Aboveground Storage Tank (10,000 gal.)	None
255	5251.S3	JP-8 (Kerosene) Fuel Dispensing - Fuel Pump (60 GPM)	None
256	5253.A1	JP-8 (Kerosene) Internal Combustion Engine (Aircraft Auxiliary Power Unit - 40 HP)	None

**SECTION C – INSIGNIFICANT ACTIVITIES (CONTINUED)**

257	5253.A2	JP-8 (Kerosene) Internal Combustion Engine (Aircraft Auxiliary Power Unit - 40 HP)	None
258	5253.A3	JP-8 (Kerosene) Internal Combustion Engine (Aircraft Auxiliary Power Unit - 40 HP)	None
259	5253.K1	Surface Coating Operation for touch-up refinishing of metal parts using aerosol cans and manual brushes. The operation uses less than 5 gallons/day of coatings and solvents. Emissions include VOC and small amounts of HAP. This operation does not have a spray booth.	None
260	5253.M1	Cold Cleaner (20 gallon spray sink)	None
261	5256.K1	Surface Coating Operation for touch-up refinishing of metal parts using aerosol cans and manual brushes. The operation uses less than 5 gallons/day of coatings and solvents. Emissions include VOC and small amounts of HAP. This operation does not have a spray booth.	None
262	5256.M1	Cold Cleaner (20 gallon spray sink)	None
263	5540.A1	Diesel Fuel Internal Combustion Engine (Emergency Electrical Generator - 207.9 HP)	None
264	5540.J1	Emergency Generator Diesel Aboveground Storage Tank (1,000 gal.)	None
265	584.K1	Surface Coating Operation for touch-up refinishing of metal parts using aerosol cans. The operation uses less than 5 gallons/day of coatings and solvents. Emissions include VOC and small amounts of HAP. This operation does not have a spray booth.	None
266	5901.J1	Diesel Fuel Dispensing - Loading Rack (225 GPM)	None
267	5901.J1	Vehicle Diesel Fuel Aboveground Storage Tank (10,000 gal.)	None
268	5901.K1	Surface Coating Operation for touch-up refinishing of metal parts using aerosol cans. The operation uses less than 5 gallons/day of coatings and solvents. Emissions include VOC and small amounts of HAP. This operation does not have a spray booth.	None
269	5901.M4	Cold Cleaner (5 gallon spray sink)	None
270	5901.M5	Cold Cleaner (5 gallon spray sink)	None
271	5901.S1	Diesel Fuel Dispensing - Fuel Pump (60 GPM)	None
272	5949.J1	Fuel Oil #2 Underground Storage Tank (4,000 gal.)	None

**SECTION C – INSIGNIFICANT ACTIVITIES (CONTINUED)**

273	6007.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
274	6034.A1	Natural Gas Internal Combustion Engine (Emergency Electrical Generator - 44.3 HP)	None
275	6035.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
276	6094.K1	Surface Coating Operation for touch-up refinishing of metal parts using aerosol cans. The operation uses less than 5 gallons/day of coatings and solvents. Emissions include VOC and small amounts of HAP. This operation has a spray booth for ventilation purposes only; spray guns are not used.	None
277	6097.B1	Woodworking Operation Equipped with Single Cyclone Dust Collector (estimated capacity of 5,000 SCFM and emission rate of 0.02 gr/SCF(PTE = 3.75 TPY)) The emission rate of 0.02 gr/SCF was selected as a typical value for a cyclone. The PTE was calculated considering the collection efficiency of the cyclone because it was not required to be installed to comply with an emission limit. It was installed as a housekeeping device as part of the process to remove wood dust from the work area.	401 KAR 61:020
278	6098.B1	Manual (<2 lbs/hr. of welding rod/spool) Fabrication Welding Operation	401 KAR 61:020
279	6113.K1	Surface Coating Operation for refinishing of military vehicles to be displayed in the Patton Museum at Fort Knox. This operation uses a portable, manual spray gun. Less than 5 gallons/day of coatings and solvents are used. Emissions include VOC and small amounts of HAP. This operation does not have a spray booth.	None
280	6141.J1	Diesel Fuel Dispensing - Loading Rack (225 GPM)	None
281	6141.J1	Vehicle Diesel Fuel Aboveground Storage Tank (10,000 gal.)	None
282	6141.J2	Diesel Fuel Dispensing - Loading Rack (225 GPM)	None
283	6141.J2	Vehicle Diesel Fuel Aboveground Storage Tank (10,000 gal.)	None
284	6141.J3	Diesel Fuel Dispensing - Loading Rack (225 GPM)	None

**SECTION C – INSIGNIFICANT ACTIVITIES (CONTINUED)**

285	6141.J3	Vehicle Diesel Fuel Aboveground Storage Tank (10,000 gal.)	None
286	6141.S1	Diesel Fuel Dispensing - Fuel Pump (60 GPM)	None
287	6141.S2	Diesel Fuel Dispensing - Fuel Pump (60 GPM)	None
288	6141.S3	Diesel Fuel Dispensing - Fuel Pump (60 GPM)	None
289	6143.M2	Cold Cleaner (5 gallon spray sink)	None
290	6145.K1	Surface Coating Operation for touch-up refinishing of metal parts using aerosol cans. The operation uses less than 5 gallons/day of coatings and solvents. Emissions include VOC and small amounts of HAP. This operation does not have a spray booth.	None
291	6147.M2	Cold Cleaner (5 gallon spray sink)	None
292	6151.A1	Diesel Fuel Internal Combustion Engine (Emergency Electrical Generator - 16.8 HP)	None
293	6289.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
294	63.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
295	65.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
296	6535.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
297	6536.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
298	6537.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
299	6541.J1	Fuel Oil #2 Underground Storage Tank (15,000 gal.)	None
300	6548.J1	Fuel Oil #2 Underground Storage Tank (15,000 gal.)	None
301	6550.J1	Fuel Oil #2 Underground Storage Tank (15,000 gal.)	None
302	6551.M1	Cold Cleaner (20 gallon spray sink)	None
303	6551.M2	Cold Cleaner (20 gallon spray sink)	None
304	6551.M3	Cold Cleaner (20 gallon spray sink)	None
305	6552.M1	Cold Cleaner (20 gallon spray sink)	None
306	6552.M2	Cold Cleaner (20 gallon spray sink)	None
307	6557.J1	Fuel Oil #2 Underground Storage Tank (15,000 gal.)	None
308	6559.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
309	6568.J1	Fuel Oil #2 Underground Storage Tank (3,000 gal.)	None

**SECTION C – INSIGNIFICANT ACTIVITIES (CONTINUED)**

310	6569.J1	Fuel Oil #2 Underground Storage Tank (2,500 gal.)	None
311	6570.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
312	6570.J1	Fuel Oil #2 Underground Storage Tank (2,000 gal.)	None
313	6573.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
314	6574.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
315	6575.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
316	6578.J1	Fuel Oil #2 Underground Storage Tank (10,000 gal.)	None
317	6580.A1	Natural Gas Internal Combustion Engine (Emergency Electrical Generator - 154.2 HP)	None
318	6580.J1	Fuel Oil #2 Underground Storage Tank (15,000 gal.)	None
319	6583.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
320	6584.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
321	6586.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
322	6587.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
323	6587.A2	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
324	6587.A3	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
325	6587.A4	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
326	6590.J1	Fuel Oil #2 Underground Storage Tank (3,000 gal.)	None
327	6591.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
328	6591.A2	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
329	6592.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
330	6594.J1	Used Oil Aboveground Storage Tank (600 gal.)	None
331	6597.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
332	6607.J1	Fuel Oil #2 Underground Storage Tank (6,000 gal.)	None

gal.)

**SECTION C – INSIGNIFICANT ACTIVITIES (CONTINUED)**

333	6615.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
334	6616.B1	Woodworking Operation Equipped with Single Fabric Filter Dust Collector (estimated capacity of 10,000 SCFM and emission rate of 0.01 gr/SCF (PTE=3.75TPY) The emission rate for a fabric filter baghouse. The PTE calculated considering the collection efficiency of the fabric filter because it was not required to be installed to comply with an housekeeping device as part of the process to remove wood dust from the work area.	None
335	6616.K1	Surface Coating Operation for painting, staining and finishing wood products (except wood furniture) made in this building's woodworking shop. This operation uses manual brushes, aerosol cans, and sometimes a spray gun. Less than 5 gallons/day of coatings and solvents are used. Emissions include VOC and small amounts of HAP. The operation does not have a spray booth.	None
336	6616.K2	Surface Coating Operation for finishing wood furniture made in this building's woodworking shop. This operation uses manual brushes, aerosol cans, and sometimes a spray gun. Less than 5 gallons/day of coatings and solvents are used. Emissions include VOC and small amounts of HAP. The operation does not have a spray booth.	40 CFR 63.800(a)
337	6617.K1	Surface Coating Operation for painting, staining and finishing metal and wood products (except wood furniture) made in Building 6616 metal and woodworking shops. This operation uses manual brushes, aerosol cans, and sometimes a spray gun. Less than 5 gallons/day of coatings and solvents. Emissions include VOC and small amounts of HAP. The operation has a spray booth.	401 KAR 59:010

**SECTION C – INSIGNIFICANT ACTIVITIES (CONTINUED)**

338	6617.K2	Surface Coating Operation for finishing wood furniture made in Building 6616-woodworking shop. This operation uses manual brushes, aerosol cans, and sometimes a spray gun. Less than 5 gallons/day of coatings and solvents are used. Emissions include VOC and small amounts of HAP. The operation has a spray booth.	None
339	6648.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
340	67.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
341	6758.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
342	6763.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
343	6807.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
344	6808.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
345	6811.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
346	6812.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
347	6814.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
348	6815.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
349	6816.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
350	6817.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
351	6820.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
352	6821.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
353	6822.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
354	6823.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
355	6825.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
356	6826.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None

**SECTION C – INSIGNIFICANT ACTIVITIES (CONTINUED)**

357	6829.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
358	6830.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
359	6839.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
360	6840.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
361	6843.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
362	6844.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
363	6848.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
364	6851.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
365	6852.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
366	6855.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
367	6856.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
368	6859.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
369	6860.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
370	6863.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
371	6864.M1	Cold Cleaner (20 gallon spray sink)	None
372	6866.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
373	6867.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
374	6870.J1	Fuel Oil #2 Aboveground Storage Tank (120 gal.)	None
375	6871.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
376	6874.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
377	6875.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
378	6876.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
379	6879.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None

gas)

**SECTION C – INSIGNIFICANT ACTIVITIES (CONTINUED)**

380		Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
381	6881.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
382	6884.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
383	6885.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
384	6886.M1	Cold Cleaner (20 gallon spray sink)	None
385	6888.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
386	6889.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
387	6892.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
388	70.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
389	708.S4	(AAFES) Diesel Fuel Aboveground Storage Tank (10,000 gal.)	None
390	708.S4	(AAFES) Diesel Fuel Dispensing - Fuel Pump (60 GPM)	None
391	71.A1	Diesel Fuel Internal Combustion Engine (Emergency Electrical Generator - 26.8 HP)	None
392	7106.B1	NBC Chamber (Gas Mask Training - Capacity of 2 Capsules of CS Riot Control Agent per Hour). The CS Riot Control Agent contains 100% of o-chlorobenzylidene malononitrile. Each capsule contains 0.54 grams of this toxic air pollutant. The PTE is <0.005 TPY. Emissions are in the form of a particulate matter fume and exit the building through windows and doors. The fumes do not have the potential to cross the Fort Knox property lot line.	401 KAR 63:010
393	7108.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
394	72.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None

**SECTION C – INSIGNIFICANT ACTIVITIES (CONTINUED)**

395	7203.B1	Fiberglass Reinforced Plastics Production (Capacity is 5 gal/hr of Stypol 040-4197). Stypol is a polyester resin in styrene monomer. It is catalyzed with an MEK peroxide to produce military troop training aids. The only potential emissions are from the styrene and VOC from the plastic resin monomer is 0.42 TPY. A demolding agent is sprayed onto mold backings from an aerosol can to prevent the catalyzed plastic from sticking. The demolding agent contains xylenes, acetone and chlorodifluoromethane. The VOC PTE from this demolding agent is less than 0.50 TPY. The PTE for chlorodifluoromethane is 0.35 TPY. The other plastic molding materials do not have quantifiable potential to emit based on products MSDSs	
396	7203.K1	Surface Coating Operation for molded plastic and wood molds using manual brushes, aerosol cans, and sometimes a spray gun. The operation uses less than 5 gallons/day of coating and solvents. Emissions include VOC and small amounts of HAP. The operation has two spray booths that can be used for surface coating if necessary.	401 KAR 59:010
397	7205.J1	Fuel Oil #2 Aboveground Storage Tank (700 gal.)	None
398	7207.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
399	7207.B1	Wastewater Treatment Plant Laboratory Fume Hood (Unknown material usage capacity). This fume hood is used to conduct chemical analysis of water samples.	None
400	7207.B2	Wastewater Treatment Plant Operations - Chlorine and Sulfur Dioxide Addition; Clarification; Aerobic Digestion (emissions of VOC and small amounts of HAP and hydrogen sulfide)	None
401	7221.J1	Emergency Generator Diesel Aboveground Storage Tank (500 gal.)	None
402	7238.A1	Indirect Heat Exchanger (<1 mmBtu/hr - fuel oil #2)	None
403	7238.J1	Fuel Oil #2 Aboveground Storage Tank (520	None

gal.)

**SECTION C – INSIGNIFICANT ACTIVITIES (CONTINUED)**

404	7238.J2	Fuel Oil #2 Aboveground Storage Tank (520 gal.)	None
405	7241.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
406	73.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
407	73.B1	Woodworking Operation Equipped with Single Fabric Filter Dust Collector (estimated capacity of 10,000 SCFM and emission rate of 0.01 gr/SCF(PTE = 3.75 TPY)) The emission rate of 0.01 gr/SCF was selected as a typical value for a fabric filter baghouse. The PTE was calculated considering the collection efficiency of the fabric filter because it was not required to be installed to comply with an emission limit. It was installed as a housekeeping device as part of the process to remove wood dust from the work area.	401 KAR 59:010
408	73.K1	Surface Coating Operation for painting, staining and finishing metal and wood products (except wood furniture) made in this building's metal and woodworking shops. This operation uses manual brushes, aerosol cans, and sometimes a spray gun. Less than 5 gallon/day of coatings and solvents are used. Emissions include VOC and small amounts of HAP. The operation does not have a spray booth.	None
409	73.K2	Surface Coating Operation for painting, staining and finishing metal and wood products (except wood furniture) made in this building's metal and woodworking shops. This operation uses manual brushes, aerosol cans, and sometimes a spray gun. The operation uses less than 5 gallons/day of coatings and solvents. Emissions include VOC and small amounts of HAP. This operation does not have a spray booth.	40 CFR 63.800(a)
410	7342.J1	Diesel Fuel Dispensing - Loading Rack (225 GPM)	None
411	7342.J1	Vehicle Diesel Fuel Aboveground Storage Tank (10,000 gal.)	None
412	7342.J2	Diesel Fuel Dispensing – Loading Rack (225 GPM)	None
413	7342.J2	Vehicle Diesel Fuel Aboveground Storage Tank (10,000 gal.)	None

414	7342.S1	Diesel Fuel Dispensing - Fuel Pump (60 GPM)	None
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**SECTION C – INSIGNIFICANT ACTIVITIES (CONTINUED)**

415	7342.S2	Diesel Fuel Dispensing - Fuel Pump (60 GPM)	None
416	77.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
417	7741.A3	Diesel Fuel Internal Combustion Engine (Emergency Electrical Generator - 214.6 HP)	None
418	7741.J1	Fuel Oil #2 Underground Storage Tank (3,000 gal.)	None
419	7741.J2	Emergency Generator Diesel Aboveground Storage Tank (500 gal.)	None
420	7873.A1	Diesel Fuel Internal Combustion Engine (Emergency Electrical Generator - 73.8 HP)	None
421	7873.J1	Emergency Generator Diesel Aboveground Storage Tank (500 gal.)	None
422	7959.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
423	80.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
424	82.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
425	851.B1	Wet Cooling Tower (125 GPM)	401 KAR 63:010
426	851.B2	Ireland Army Hospital Laboratory Fume Hoods and Vents (Several of unknown material usage capacity). These fume hoods and vents are used to conduct physical and chemical analysis.	None
427	851.J1	Emergency Generator Diesel Aboveground Storage Tank (10,000 gal.)	None
428	852.B1	Wet Cooling Tower (350 GPM)	401 KAR 63:010
429	852.J1	Fuel Oil #2 Aboveground Storage Tank (25,000 gal.)	None
430	852.J2	Fuel Oil #2 Aboveground Storage Tank (25,000 gal.)	None
431	852.J3	Fuel Oil #2 Aboveground Storage Tank (25,000 gal.)	None
432	852.J4	Fuel Oil #2 Aboveground Storage Tank (25,000 gal.)	None
433	854.J1	Fuel Oil #2 Aboveground Storage Tank (10,000 gal.)	None
434	861.J1	Emergency Generator Diesel Aboveground Storage Tank (10,000 gal.)	None
435	864.B1	Wet Cooling Tower (350 GPM)	401 KAR 63:010
436	87.J1	Fuel Oil #2 Underground storage Tank (6,000 gal.)	None

gallons)

**SECTION C – INSIGNIFICANT ACTIVITIES (CONTINUED)**

437	8928.A1	Diesel Fuel Internal Combustion Engine (Emergency Electrical Generator - 20.1 HP)	None
438	8928.J1	Emergency Generator Diesel Aboveground Storage Tank (500 gal.)	None
439	9009.A1	Diesel Fuel Internal Combustion Engine (Emergency Electrical Generator - 469.4 HP)	None
440	9168.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
441	9169.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
442	9170.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
443	9172.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
444	9173.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
445	9180.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
446	9186.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
447	9189.A1	Indirect Heat Exchanger (<1 mmBtu/hr - fuel oil #2)	None
448	9193.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
449	9194.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
450	9197.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
451	9198.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
452	9199.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
453	9211.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
454	9214.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
455	9227.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
456	9228.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
457	9229.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None

458	9230.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
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### SECTION C – INSIGNIFICANT ACTIVITIES (CONTINUED)

459	9244.K1	Surface Coating Operation for touch-up refinishing of metal parts using aerosol cans. The operation uses less than 5 gallons/day of coating and solvents. Emissions include VOC and small amounts of HAP. This operation does not have a spray booth.	
460	9244.M2	Cold Cleaner (5 gallon spray sink)	None
461	9244.M3	Cold Cleaner (20 gallon spray sink)	None
462	9245.J1	JP-8 (Kerosene) Fuel Aboveground Storage Tank (10,000 gal.)	None
463	9245.J1	JP-8 (Kerosene) Fuel Dispensing - Loading Rack (225 GPM)	None
464	9245.S1	JP-8 (Kerosene) Fuel Dispensing - Fuel Pump (60 GPM)	None
465	9250.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
466	9252.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
467	9259.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
468	9260.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
469	9280.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
470	9281.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
471	9291.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
472	93.J1	Fuel Oil #2 Underground Storage Tank (12,000 gal.)	None
473	9308.M7	Cold Cleaner (20 gallon spray sink)	None
474	9309.A1	Diesel Fuel Internal Combustion Engine (Emergency Electrical Generator - 26.8 HP)	None
475	9310.A1	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
476	9310.A2	Diesel Fuel Internal Combustion Engine (Emergency Electrical Generator - 16.8 HP)	None
477	9310.J1	Emergency Generator Diesel Aboveground Storage Tank (500 gal.)	None
478	9312.A1	Diesel Fuel Internal Combustion Engine (Emergency Electrical Generator - 134.1 HP)	None
479	9312.A2	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None

gas)

**SECTION C – INSIGNIFICANT ACTIVITIES (CONTINUED)**

480	9313.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
481	9320.J1	Fuel Oil #2 Aboveground Storage Tank (120 gallons)	
482	9321.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
483	9326.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
484	9327.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
485	9333.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
486	9340.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
487	9344.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
488	9384.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
489	9387.M5	Cold Cleaner (5 gallon spray sink)	None
490	9387.M6	Cold Cleaner (10 gallon spray sink)	None
491	9387.M7	Cold Cleaner (20 gallon spray sink)	None
492	9387.M8	Cold Cleaner (20 gallon spray sink)	None
493	9387.M9	Cold Cleaner (20 gallon spray sink)	None
494	94.A1	Diesel Fuel Internal Combustion Engine (Emergency Electrical Generator - 26.8 HP)	None
495	94.J1	Emergency Generator Diesel Aboveground Storage Tank (500 gal.)	None
496	94.K1	Surface Coating Operation for touch-up refinishing of metal parts using aerosol cans. The operation uses less than 5 gallons/day of coatings and solvents. Emissions include VOC and small amounts of HAP. This operation does not have a spray booth.	None
497	94.M3	Cold Cleaner (5 gallon spray sink)	None
498	94.M4	Cold Cleaner (10 gallon spray sink)	None
499	94.M5	Cold Cleaner (20 gallon spray sink)	None
500	9403.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
501	9464.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
502	9491.A1	Diesel Fuel Internal Combustion Engine	None

(Emergency Electrical Generator - 670.5 HP)

**SECTION C – INSIGNIFICANT ACTIVITIES (CONTINUED)**

503	9515.A1	Indirect Heat Exchanger (<1 mmBtu/hr - fuel oil #2)	None
504	9515.J1	Fuel Oil #2 Aboveground Storage Tank (550 gal.)	None
505	9523.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
506	9523.J1	Fuel Oil #2 Aboveground Storage Tank (550 gal.)	None
507	9527.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
508	9530.A1	Indirect Heat Exchanger (<1 mmBtu/hr - fuel oil #2)	None
509	9530.J1	Fuel Oil #2 Aboveground Storage Tank (550 gal.)	None
510	9533.A1	Indirect Heat Exchanger (<1 mmBtu/hr - fuel oil #2)	None
511	9533.J1	Fuel Oil #2 Aboveground Storage Tank (550 gal.)	None
512	9535.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
513	9535.J1	Fuel Oil #2 Aboveground Storage Tank (550 gal.)	None
514	9538.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
515	9555.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
516	9574.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
517	9576.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
518	9582.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
519	9655.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
520	9662.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
521	9666.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
522	9796.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
523	9796.J1	Fuel Oil #2 Aboveground Storage Tank (550 gal.)	None

524	98.B1	Manual (<2 lbs/hr. of welding rod/spool) Fabrication Welding Operation	401 KAR 59:010
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### SECTION C – INSIGNIFICANT ACTIVITIES (CONTINUED)

525	9803.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
526	9804.A1	Indirect Heat Exchanger (<1 mmBtu/hr - fuel oil #2)	None
528	9806.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
529	9806.J1	Fuel Oil #2 Aboveground Storage Tank (550 gal.)	None
530	9823.A1	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
531	Messhall	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
532	Messhall	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
533	Messhall	Indirect Heat Exchanger (<1 mmBtu/hr - natural gas)	None
534		Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
535	Muct Site	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
536	Training Areas	Ammunition Impact Areas, Firing Ranges, and Associated Military Vehicle Traffic	401 KAR 63:010
537	Ubiquitous Domestic Water Heaters	Water heaters are located throughout the Fort Knox property. It is estimated that any single unit is rated less than 1 mmBtu/hr. These units burn natural gas.	None
538	Ubiquitous Space Heaters	Furnaces and portable space heaters are located throughout the Fort Knox property. It is estimated that any single unit is rated less than 2 mmBtu/hr. The stationary space heating furnaces burn natural gas. The portable space heaters burn kerosene. These units are direct heat exchangers.	None
539	Wilcox MPDR	Indirect Heat Exchanger (<1 mmBtu/hr - LP gas)	None
540		Indirect Heat Exchanger (1.4 mmBtu/hr – natural gas)	401 KAR 59:015
541	Ubiquitous Metal Cleaning Degreasers	Cold Cleaning Degreasers on contract (solvent volatility is less than 32 mm Hg measured at 100° F)	None

542	2778.B1	Paint Booth Heated make-up Air-2003	None
543	6542.A1	Indirect Heat Exchanger <1 mmBtu/hr, natural gas -2003	None

**SECTION C – INSIGNIFICANT ACTIVITIES (CONTINUED)**

544	6542.A2	Indirect Heat Exchanger <1 mmBtu/hr, natural gas - 2003	None
545	1467.A1	Indirect Heat Exchanger -2 mmBtu/hr, natural gas –2003	410 KAR 59:015
546	1467.A2	Indirect Heat Exchanger- 1 mmBtu/hr, natural gas - 2003	None
547	5383.A1 – A4	Four natural gas space heaters @ 60,000 Btu/hr each - 2004	None
548	7505.A1 – A4	Four natural gas space heaters @ 60,000 Btu/hr each - 2004	None
549	1398.A1 – A4	Four natural gas space heaters @ 60,000 Btu/hr each - 2004	None
550	1467.B1	359 GPM cooling tower-2004	None
551	1467.B2	359 GPM cooling tower-2004	None

## **SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS**

As required by Section 1b of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26; compliance with annual emissions and processing limitations contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months.

## **SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS**

Pursuant to 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

## **SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS**

1. When continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
  - a. Date, place as defined in this permit, and time of sampling or measurements.
  - b. Analyses performance dates;
  - c. Company or entity that performed analyses;
  - d. Analytical techniques or methods used;
  - e. Analyses results; and
  - f. Operating conditions during time of sampling or measurement.

[Section 1b (IV)1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality. [Sections 1b(IV) 2 and 1a(8) of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
3. In accordance with the requirements of 401 KAR 52:020 Section 3(1)h the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
  - a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
  - b. To access and copy any records required by the permit;
  - c. Inspect, at reasonable times, any facilities, equipment (including monitoring and pollution control equipment), practices, or operations required by the permit. Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.
  - d. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.
  - e. Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.
4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.
5. Summary reports of any monitoring required by this permit, other than continuous emission or opacity monitors, shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation.[Section 1b (V )1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

## **SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)**

6. The semi-annual reports are due by January 30th and July 30th of each year. Data from the continuous emission and opacity monitors shall be reported to the Technical Services Branch in accordance with the requirements of 401 KAR 59:005, General Provisions, Section 3(3). All reports shall be certified by a responsible official pursuant to 401 KAR 52:020 Section 23. All deviations from permit requirements shall be clearly identified in the reports.
7. In accordance with the provisions of 401 KAR 50:055, Section 1 the owner or operator shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
  - a. When emissions during any planned shutdowns and ensuing startups will exceed the standards notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
  - b. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards notification shall be made as promptly as possible by telephone (or other electronic media) and shall cause written notice upon request.
8. The owner or operator shall report emission related exceedances from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Section F.7. above) to the Regional Office listed on the front of this permit within 30 days. Other deviations from permit requirements shall be included in the semiannual report required by Section F.6. [Section 1b (V) 3, 4. of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
9. Pursuant to 401 KAR 52:020, Permits, Section 21, the permittee shall certify compliance with the terms and conditions contained in this permit, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an alternative approved by the regional office) to the Regional Office listed on the front of this permit and the U.S. EPA in accordance with the following requirements:
  - a. Identification of the term or condition;
  - b. Compliance status of each term or condition of the permit;
  - c. Whether compliance was continuous or intermittent;
  - d. The method used for determining the compliance status for the source, currently and over the reporting period, and
  - e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.

**SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)**

- f. The certification shall be postmarked by January 30th of each year. Annual compliance certifications should be mailed to the following addresses:

Division for Air Quality  
Frankfort Regional Office  
643 Teton Trail, Suite B  
Frankfort, KY 40601-1758

U.S. EPA Region IV  
Air Enforcement Branch  
Atlanta Federal Center  
61 Forsyth St.  
Atlanta, GA 30303-8960

Division for Air Quality  
Central Files  
803 Schenkel Lane  
Frankfort, KY 40601

10. In accordance with 401 KAR 52:020, Section 22, the permittee shall provide the Division with all information necessary to determine its subject emissions within thirty (30) days of the date the KYEIS emission survey is mailed to the permittee.
11. Pursuant to Section VII.3 of the policy manual of the Division for Air Quality as referenced in 401 KAR 50:016, Section 1(1), results of performance test(s) required by the permit shall be submitted to the division by the source or its representative within forty-five days after the completion of the fieldwork.

**SECTION G - GENERAL PROVISIONS**(a) General Compliance Requirements

1. The permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of 401 KAR 52:020 and of the Clean Air Act and is grounds for enforcement action including termination, revocation and reissuance, revision or denial of a permit. [Section 1a, 3 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020 Section 26].
2. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition. [Section 1a, 6 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
3. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:020, Section 19. The permit will be reopened for cause and revised accordingly under the following circumstances:
  - a. If additional requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401 KAR 52:020, Section 12;
  - b. The Cabinet or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
  - c. The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit;

Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the division may provide a shorter time period in the case of an emergency.

4. The permittee shall furnish information upon requested by the cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or compliance with the permit. [Section 1a, 7,8 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
5. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such facts or corrected information to the permitting authority. [Material incorporated by reference by 401 KAR 52:020, Section 7(1)]

## SECTION G - GENERAL PROVISIONS (CONTINUED)

6. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit. [Section 1a, 14 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
7. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance. [Section 1a, 4 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
8. Except for requirements identified in this permit as state-origin requirements, all terms and conditions shall be enforceable by the United States Environmental Protection Agency and citizens of the United States. [Section 1a, 15 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
9. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038, Section 3(6). [Section 1a, 10 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
10. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance. [401 KAR 52:020, Section 11(3)(b)]
11. This permit does not convey property rights or exclusive privileges. [Section 1a, 9 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
12. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Kentucky Cabinet for Natural Resources and Environmental Protection or any other federal, state, or local agency.
13. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry. [401 KAR 52:020, Section 11(3)(d)].
14. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders. [401 KAR 52:020, Section 11(3)(a)]
15. This permit consolidates the authority of any previously issued PSD, NSR, or Synthetic minor source preconstruction permit terms and conditions for various emission units and incorporates all requirements of those existing permits into one single permit for this source
16. Pursuant to 401 KAR 52:020, Section 11, a permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the

**SECTION G - GENERAL PROVISIONS (CONTINUED)**

time of permit issuance. Compliance with the conditions of a permit shall be considered compliance with:

- (a) Applicable requirements that are included and specifically identified in the permit and
- (b) Non-applicable requirements expressly identified in this permit.

(b) Permit Expiration and Reapplication Requirements

- 1. This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the division. [401 KAR 52:020, Section 12]
- 2. The authority to operate granted shall cease to apply if the source fails to submit additional information requested by the division after the completeness determination has been made on any application, by whatever deadline the division sets. [401 KAR 52:030 Section 8(2)]

(c) Permit Revisions

- 1. A minor permit revision procedure may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the SIP or in applicable requirements and meet the relevant requirements of 401 KAR 52:020, Section 14(2).
- 2. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority within ten (10) days following the transfer.

(d) Construction, Start-Up, and Initial Compliance Demonstration Requirements

None

(e) Acid Rain Program Requirements

None

(f) Emergency Provisions

- 1. Pursuant to 401 KAR 52:020 Section 24(1), an emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating

logs or relevant evidence that:

**SECTION G - GENERAL PROVISIONS (CONTINUED)**

- a. An emergency occurred and the permittee can identify the cause of the emergency;
  - b. The permitted facility was at the time being properly operated;
  - c. During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and
  - d. Pursuant to 401 KAR 52:020, 401 KAR 50:055, and KRS 224.01-400, the permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division when emission limitations are exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.
  - e. This requirement does not relieve the source from other local, state or federal notification requirements.
2. Emergency conditions listed in General Condition (f)1 above are in addition to any emergency or upset provision(s) contained in an applicable requirement. [401 KAR 52:020, Section 24(3)]
  3. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof. [401 KAR 52:020, Section 24(2)]

(g) Risk Management Provisions

1. The permittee shall comply with all applicable requirements of 401 KAR Chapter 68, Chemical Accident Prevention, which incorporates by reference 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to:

RMP Reporting Center  
P.O. Box 3346  
Merrifield, VA, 22116-3346

2. If requested, submit additional relevant information to the Division or the U.S. EPA.

(h) Ozone depleting substances

1. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
  - a. Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
  - b. Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.
  - c. Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.

**SECTION G - GENERAL PROVISIONS (CONTINUED)**

- d. Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.166
  - e. Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
  - f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.
2. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

**SECTION H - ALTERNATE OPERATING SCENARIOS**

None

**SECTION I - COMPLIANCE SCHEDULE**

None